

CLEAN REPLACEMENT CLAIMS WITH INSTRUCTIONS FOR ENTRY

Replace claim 1 with amended claim 1 as follows:

A1
1. (Amended) An image projection system, comprising:
a projection lens;
a dichroic cross-combiner assembly having sides with one side facing the projection lens;
three micromirror display devices, each including an array of digitally deflected mirrors positioned facing a side of the dichroic cross-combiner assembly; and
a coherent light source apparatus generating narrow bands of blue, green, and red light and positioned such that the three reflective imaging devices respectively receive the blue, green, and red light and reflect the blue, green, and red light through the dichroic cross-combiner assembly toward the projection lens.

Cancel claim 2

Replace claims 3-5 with amended claims 3-5 as follows:

A2
3. (Amended) The image projection system of claim 1, further comprising three pairs of lenses, each pair including an anamorphic beam expanding lens and an anamorphic collimating lens, each pair being positioned between one of the three coherent light sources and one of the three micromirror display devices.

4. (Amended) The image projection system of claim 1 in which the coherent light source includes light-emitting diodes.

5. (Amended) The image projection system of claim 1 in which the coherent light source includes lasers.

Cancel claims 6 and 7.

Replace claims 8-13, 18, 19, and 21-23 with amended claims 8-13, 18, 19, and 21-23 as follows:

8. (Amended) The image projection system of claim 1 in which the digitally deflected mirrors are each quadrilateral and pivotable about a diagonal axis.

9. (Amended) The image projection system of claim 1 in which the digitally deflected mirrors are each quadrilateral and pivotable about a longitudinally centered axis.

A3
10. (Amended) The image projection system of claim 1 in which the coherent light source apparatus is positioned such that the three micromirror display devices respectively receive blue, green, and red light at an oblique angle of incidence.

11. (Amended) The image projection system of claim 1 in which each micromirror display device and the projection lens are positioned in a first plane and the coherent light source apparatus delivers light from a second plane.

12. (Amended) The image projection system of claim 1 in which the coherent light source apparatus is positioned below the dichroic cross-combiner assembly.

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13. (Amended) The image projection system of claim 1 in which each micromirror display device includes reflective pixels that are adapted to selectively reflect the respective blue, green, and red light towards one of the projection lens or a light-absorbing surface in proximity to the projection lens.

A4
18. (Amended) The image projection system of claim 1 in which the dichroic cross-combiner assembly is adapted to simultaneously receive the blue, green, and red light from the respective micromirror display devices and to combine the blue, green, and red light to form a composite image directed toward the projection lens.

19. (Amended) The image projection system of claim 1, further comprising three field lenses, in which each field lens is positioned between one of the three micromirror display devices and one of the sides of the dichroic cross-combiner assembly.

21. (Amended) A method for projecting color display information, comprising:
directing blue, green, and red coherent light respectively toward three micromirror display devices;

reflecting the blue, green, and red coherent light from the three micromirror display devices into a dichroic cross-combiner assembly;

simultaneously combining the blue, green, and red coherent light from the respective micromirror display devices in the dichroic cross-combiner assembly to form a composite image; and

directing the composite image toward a projection lens.

22. (Amended) The method of claim 21 further including obliquely directing the blue, green, and red coherent light toward the three micromirror display devices.

23. (Amended) The method of claim 22 further comprising expanding and collimating the blue, green, and red coherent light before the blue, green, and red coherent light reaches the three micromirror display devices.